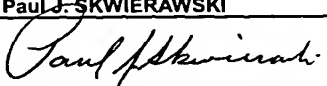


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.		501.36599CX1		
		First Inventor		Tsukasa HASEGAWA et al.		
		Title	REALTIME DATA RECORDING METHOD			
		Express Mail Label No.				
APPLICATION ELEMENTS				Mail Stop Patent Application Commissioner for Patents POB 1450 Alexandria, Virginia 22313-1450		
SEE MPEP chapter 600 concerning patent application contents.						
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages: 22] -Descriptive title of the invention (or title page) -Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table, or a computer program listing appendix -Background of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Pages: 06; Figs 1-7]</p> <p>5. Oath or Declaration [Total Pages: 02] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) ii. <input type="checkbox"/> FILED WITHOUT DECLARATION</p> <p>6. <input type="checkbox"/> Application Data Sheet (See 37 CFR §1.76)</p> </div> <div style="width: 48%;"> <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission <i>if applicable, all necessary</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies</p> </div> </div>						
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>9. <input type="checkbox"/> Assignment(s)/Recordation Cover Form(s) PTO-1595</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <small>(when there is an assignee) (In Declarations)</small></p> <p>11. <input type="checkbox"/> English Translation Document <small>(if applicable)</small></p> <p>12. <input checked="" type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies/IDS Refs. Statement (IDS)/PTO-1449</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: Form PTO-2038 (Fee Code 1001)</p> </div> </div>						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/257,494 filed 25 February 1999 Prior application information: Examiner: D.O. Onuaku Group Art Unit: 2615 CONTINUATION/DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.						
19. CORRESPONDENCE ADDRESS						
<input checked="" type="checkbox"/> Customer No./Bar Code Label		020457		or <input checked="" type="checkbox"/> Correspondence address below		
<small>(Insert Customer No/Attach bar code label here)</small>						
Name	ANTONELLI, TERRY, STOUT & KRAUS, LLP					
Address	1300 North Seventeenth Street					
	Suite 1800					
City	Arlington	State	VA	Zip Code	22209-3801	
Country	USA	Telephone	703-312-6600	Fax	703-312-6666	
Name	Paul J. SKWIERAWSKI			Registration No. (Attorney/Agent)	32,173	
Signature				Date	20 August 2003	

 19704 U.S. PTD
 10/643902
 08/20/03

PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2002</h3> <p style="margin: 0;"><i>Patent fees are subject to annual revision.</i></p>				<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>Unassigned (\$53b Cont. of 09/257,494)</td> </tr> <tr> <td>Filing Date</td> <td>20 August 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Tsukasa HASEGAWA et al.</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned (Parent - D.O. Onuaku)</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned (Parent - 2615)</td> </tr> <tr> <td>Attorney Docket No.</td> <td>501.36599CX1</td> </tr> </table>				Application Number	Unassigned (\$53b Cont. of 09/257,494)	Filing Date	20 August 2003	First Named Inventor	Tsukasa HASEGAWA et al.	Examiner Name	Unassigned (Parent - D.O. Onuaku)	Group Art Unit	Unassigned (Parent - 2615)	Attorney Docket No.	501.36599CX1																																																																																																																																														
Application Number	Unassigned (\$53b Cont. of 09/257,494)																																																																																																																																																																
Filing Date	20 August 2003																																																																																																																																																																
First Named Inventor	Tsukasa HASEGAWA et al.																																																																																																																																																																
Examiner Name	Unassigned (Parent - D.O. Onuaku)																																																																																																																																																																
Group Art Unit	Unassigned (Parent - 2615)																																																																																																																																																																
Attorney Docket No.	501.36599CX1																																																																																																																																																																
TOTAL AMOUNT OF PAYMENT		(\$)		750.00																																																																																																																																																													
METHOD OF PAYMENT			FEE CALCULATION (continued)																																																																																																																																																														
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge DEFICIENCIES indicated to:</p> <p>Deposit Account Number 01-2135 Deposit Account Name ATS&K</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>			<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examination action</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="5">Other fee (specify)</td></tr> <tr><td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$)</td> <td>00</td> </tr> </tbody> </table>			Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	139	130	139	130	Non-English specification	147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	112	920*	112	920*	Requesting publication of SIR prior to Examination action	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	115	110	215	55	Extension for reply within first month	116	400	216	200	Extension for reply within second month	117	920	217	460	Extension for reply within third month	118	1,440	218	720	Extension for reply within fourth month	128	1,960	228	980	Extension for reply within fifth month	119	320	219	160	Notice of Appeal	120	320	220	160	Filing a brief in support of an appeal	121	280	221	140	Request for oral hearing	138	1,510	138	1,510	Petition to institute a public use proceeding	140	110	240	55	Petition to revive - unavoidable	141	1,280	241	640	Petition to revive - unintentional	142	1,280	242	640	Utility issue fee (or reissue)	143	460	243	230	Design issue fee	144	620	244	310	Plant issue fee	122	130	122	130	Petitions to the Commissioner	123	50	123	50	Processing fee under 37 CFR 1.17(q)	126	180	126	180	Submission of Information Disclosure Stmt	581	40	581	40	Recording each patent assignment per property (times number of properties)	146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	179	740	279	370	Request for Continued Examination (RCE)	169	900	169	900	Request for expedited examination of a design application	Other fee (specify)					*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)	00
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																													
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																													
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																													
139	130	139	130	Non-English specification																																																																																																																																																													
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																													
112	920*	112	920*	Requesting publication of SIR prior to Examination action																																																																																																																																																													
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																													
115	110	215	55	Extension for reply within first month																																																																																																																																																													
116	400	216	200	Extension for reply within second month																																																																																																																																																													
117	920	217	460	Extension for reply within third month																																																																																																																																																													
118	1,440	218	720	Extension for reply within fourth month																																																																																																																																																													
128	1,960	228	980	Extension for reply within fifth month																																																																																																																																																													
119	320	219	160	Notice of Appeal																																																																																																																																																													
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																													
121	280	221	140	Request for oral hearing																																																																																																																																																													
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																													
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																													
141	1,280	241	640	Petition to revive - unintentional																																																																																																																																																													
142	1,280	242	640	Utility issue fee (or reissue)																																																																																																																																																													
143	460	243	230	Design issue fee																																																																																																																																																													
144	620	244	310	Plant issue fee																																																																																																																																																													
122	130	122	130	Petitions to the Commissioner																																																																																																																																																													
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																													
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																													
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																													
146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))																																																																																																																																																													
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																													
179	740	279	370	Request for Continued Examination (RCE)																																																																																																																																																													
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																													
Other fee (specify)																																																																																																																																																																	
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)	00																																																																																																																																																												
<p>2. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>201</td><td>370</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>\$750.00</td></tr> </tbody> </table>			Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1001	750	201	370	Utility filing fee		106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1)					\$750.00	<p>1. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>7-20**</td> <td>= 00</td> <td>x\$18</td> <td>= \$00</td> </tr> <tr> <td>Indep. Claims 3-3**</td> <td>= 00</td> <td>x\$ 84</td> <td>= \$00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>=</td> </tr> </tbody> </table>			Total Claims	Extra Claims	Fee from below	Fee Paid	7-20**	= 00	x\$18	= \$00	Indep. Claims 3-3**	= 00	x\$ 84	= \$00	Multiple Dependent			=																																																																																																		
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																												
1001	750	201	370	Utility filing fee																																																																																																																																																													
106	330	206	165	Design filing fee																																																																																																																																																													
107	510	207	255	Plant filing fee																																																																																																																																																													
108	740	208	370	Reissue filing fee																																																																																																																																																													
114	160	214	80	Provisional filing fee																																																																																																																																																													
SUBTOTAL (1)					\$750.00																																																																																																																																																												
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																														
7-20**	= 00	x\$18	= \$00																																																																																																																																																														
Indep. Claims 3-3**	= 00	x\$ 84	= \$00																																																																																																																																																														
Multiple Dependent			=																																																																																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (2) (\$)</td><td>00</td></tr> </tbody> </table>			Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	84	202	42	Independent claims in excess of 3		104	280	204	140	Multiple dependent claim, if not paid		109	84	209	42	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)					00	<p>**or number previously paid, if greater; For Reissues, see above.</p>																																																																																																																				
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																												
103	18	203	9	Claims in excess of 20																																																																																																																																																													
102	84	202	42	Independent claims in excess of 3																																																																																																																																																													
104	280	204	140	Multiple dependent claim, if not paid																																																																																																																																																													
109	84	209	42	** Reissue independent claims over original patent																																																																																																																																																													
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																													
SUBTOTAL (2) (\$)					00																																																																																																																																																												

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Paul J. SKWIERAWSKI	Registration No. (Attorney/Agent)	32,173	Telephone	703-312-6600
Signature				Date	20 August 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.